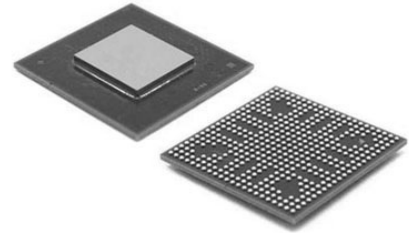


LDO Regulator Pos 1.2V to 3.4V 0.6A 8-Pin LFCSP EP T/R

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	LFCSP-8
Product Type	Power Management ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for ADM7155ACPZ-04-R7 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The ADM7155 is an adjustable linear regulator that operates from 2.3 V to 5.5 V and provides up to 600 mA of load current. Output voltages from 1.2 V to 3.4 V are possible depending on the model. Using an advanced proprietary architecture, it provides high power supply rejection and ultralow noise, achieving excellent line and load transient response with only a 10  $\mu$ F ceramic output capacitor.

The ADM7155 is available in four models that optimize power dissipation and PSRR performance as a function of input and output voltage.

The ADM7155 regulator typical output noise is 0.9  $\mu$ V rms from 100 Hz to 100 kHz for fixed output voltage options and 1.5 nV/ $\sqrt{\text{Hz}}$  for noise spectral density from 10 kHz to 1 MHz. The ADM7155 is available in 8-lead, 3 mm  $\times$  3 mm LFCSP and 8-lead SOIC packages, making it not only a very compact solution but also providing excellent thermal performance for applications requiring up to 600 mA of load current in a small, low profile footprint.

## Features

Input voltage range: 2.3 V to 5.5 V

Output voltage range: 1.2 V to 3.4 V

Maximum load current: 600 mA

Low noise

0.9  $\mu$ V rms total integrated noise from 100 Hz to 100 kHz

1.6  $\mu$ V rms total integrated noise from 10 Hz to 100 kHz

Noise spectral density: 1.5 nV/ $\sqrt{\text{Hz}}$  from 10 kHz to 1 MHz

PSRR: >90 dB from 200 Hz to 200 kHz; 57 dB at 1 MHz

Dropout voltage: 120 mV typical at = 600 mA

Initial accuracy:  $\pm 0.5\%$

Accuracy over line, load, and temperature:  $-2.0\%$  (minimum),  
 $+1.5\%$  (maximum)

Quiescent current, >

Low shutdown current: 0.2  $\mu$ A

Stable with a 10  $\mu$ F ceramic output capacitor

8-lead LFCSP and 8-lead SOIC packages

Precision enable

Supported by ADIsimPower tool

## Application

Regulation to noise sensitive applications: PLLs, VCOs, and PLLs with integrated VCOs

Communications and infrastructure

Backhaul and microwave links

## Related Products



### [ADP3336ARMZ-REEL7](#)

Analog Devices, Inc  
MSOP-8



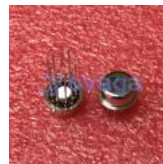
### [AD737JRZ](#)

Analog Devices, Inc  
SOP-8



### [ADP3367ARZ](#)

Analog Devices, Inc  
SOIC-8



### [AD636JH](#)

Analog Devices, Inc  
TO-100-10



[ADP3330ARTZ3.3-RL7](#)

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SOT-23-6



[ADR434BRZ](#)

Analog Devices, Inc  
SOIC-8



[ADR421ARZ](#)

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SOP-8



[ADR3412ARJZ-R7](#)

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SOT-23-6